AIT Turbo drives, the fastest drives in their class

Available with SATA, SCSI, ATAPI, USB 2.0 or IEEE1394 interface
HP Proliant, Dell, IBM and Fujitsu-Siemens server tested
More than twice the capacity and four times the speed of DAT72

Why AIT Turbo?

The AIT-2 Turbo drives provide higher performance, higher capacity and higher reliability than DAT72 drives.

Turbos are the fastest in their class. With a native transfer rate of 43.2GB/hour, they complete a full 80GB backup in under two hours - faster than DAT72 or DLT VS160.

Because they're part of the proven AIT family, Turbo has all the great qualities you'd expect: things like assured compatibility with major vendor servers, and with previous AIT generations.

With 300,000 hours Mean Time Between Failures (MTBF) at 100% duty cycle, AIT Turbo drives are more reliable than LTO, DLT VS and DAT. You won't find a more reliable drive in its class.

The drives are available as internal SATA, USB 2.0, ATAPI or SCSI and external SCSI, USB 2.0 or IEEE1394 versions.
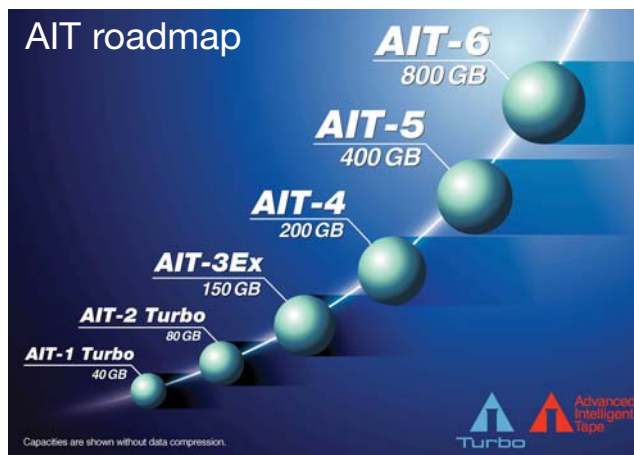
Key features and benefits

- 80GB native capacity per cartridge for AIT-2 Turbo
  – More than twice the capacity of DAT72

- High Backup Data transfer rate with 43.2GB/hour (native)
  – AIT-2 Turbo is faster than DAT72, DLTVS160 or LTO-1 drives

- HP ProLiant, IBM, Dell, Fujitsu Siemens server compatible
  – Trouble free installation into major European Servers

- SATA, USB 2.0 and ATAPI interface versions available
  – Extra SCSI interface card is not required for server

- High reliability at 300.000h MTBF
  – AIT-2 Turbo is 7.5 times more reliable than DAT72

- 3.5" tape drive form factor with supplied 5.25" adaptor
  – Same drive size as DAT drives

- AME Binder free AIT media for cleaner R/W Head
  – Less head clogging, less cleaning required, higher reliability

like.no.other™

AIT roadmap

AIT-6
800 GB

AIT-5
400 GB

AIT-4
200 GB

AIT-3Ex
150 GB

AIT-2 Turbo
80 GB

AIT-1 Turbo
40 GB

Capacities are shown without data compression.

Turbo — Advanced Intelligent Tape

Specifications

Model Name	AITi200STS	AITi200S	AITi200AS	AITe200SBK	AITe200ULSBK
Tape Drive Type	Internal SATA / USB 2.0**	Internal SCSI	Internal ATAPI	External SCSI	External USB2.0 / IEEE1394
Native Capacity	80GB				
Compressed Capacity*	208GB*				
Native Sustained Transfer Rate	43.2GB/h, (12MB/s)				
Interface	Serial ATA (Gen 1) / * USB 2.0*	Ultra 160 SCSI LVD/SE 68pin High Density	ATA/ATAPI (Ultra ATA100)	Ultra 160 SCSI LVD/SE 68pin High Density	IEEE1394 (i.LINK S400) USB2.0 (USB 1.1 with USB 1.1 performance)
Burst Transfer Rate	150MB/s / 60MB/s**	160MB/s	100MB/s	160MB/s	50MB/s (IEEE1394) 60MB/s (USB2.0)
Hardware Data Compression	ALDC (Adaptive Lossless Data Compression)				
Error Rate	Less than 10^{-17} bits				
Buffer Size	24MB	32MB			
MTBF (100% duty cycle)	300.000h				
Head Life	50.000h (typical)				
Dimension (W,H,D) mm	3.5": 101.6*41.2*155 5.25": 146*41.2*155			198 * 64.5 *246	
Power Consumption (write operation)	12W	14W		20W	
Operating Environment Temperature	5°C to 40°C			10°C to 35°C	
Humidity (operating)	20 to 80% (26°C)			30 to 80% (26°C)	
Weight	3.5": 780g, 5.25": 1050g			2.4 Kg	

**2.6:1 data compressed with ALDC. The data compression rate varies according to the type of data and the rate is generally lower if the data has already been compressed

*1kByte=1000Byte, 1MByte=1000kByte, 1GByte=1000MByte

**USB 2.0 connector is available via SATA / USB adapter

Supplied Accessories

AITi200S, AITi200AS, AITi200STS (internal):
3.5" AIT tape drive, 5.25" front bezel adaptor attached, Black mounted front bezel with spare white front bezel kit, Quick start guide, Mounting screws, Warranty flyer, WEEE recycling flyer, backup software disc (check web site for latest version information), USB adapter with internal USB cable and 4 pin motherboard connector (AITi200STS only).

AITe200SBK (external):
External black AIT tape drive, Warranty flyer, Quick start guide, SCSI terminator and power cable (UK+EU), WEEE recycling flyer, backup software disc (check web site for latest version information).

AITe200ULSBK (external):
External black AIT tape drive, Warranty flyer, Quick start guide, 1 x USB and 2 x FireWire (4 pin-6 pin, 6 pin-6 pin) cables, Power cable (UK+EU), WEEE recycling flyer, backup software disc (check web site for latest version information).

Sony StorStation Rapid Replacement Warranty

Optional Accessories

TAIT2-80C	Sony AIT-2 Turbo 80GB Data Cartridge, With MIC, rewritable	SDX2-36C	Sony AIT-2 36GB Data Cartridge (rewritable)
TAIT2-80N	Sony AIT-2 Turbo 80GB Data Cartridge, Without MIC, rewritable	SDX2-50W	Sony AIT-2 50GB Data Cartridge (WORM)
SDX2-50C	Sony AIT-2 50GB Data Cartridge (rewritable)	SDX1-CL	Sony AIT Cleaning Cartridge
		KITRMEU	1U 19" rack mount kit for maximum two internal tape drives

www.sonyisstorage.com/ait

AIT2 Turbo